

DIFFERENCE BETWEEN IS V/S AISC, MBMA DESIGN CODE

S. No.	DESCRIPTION	IS 800 CODE (Latest Rev.)	AISC,MBMA CODE (LATEST CODE)
1	Minimum thickness for Primary Members	6 mm (Not clearly specified)	3.15 mm
	Minimum thickness for secondary cold form members	2 mm (Not Clearly specified)	1.5 mm
2	Deflection Vertical	L/240	L/180
	Deflection Horizontal	H/150 without crane H/200 with crane	EH/100
	Deflection for purlins/Girts	L/150	L/180
3	Live Load	0.75 KN/M2	0.57 KN/M2
4	Bracing	Rod/cable bracing	Rod/cable/angle tension bracing
5	Stiffeners	Required by design	Not required by design
6	Expansion joints	After every 60 m length of the bldg. using double frame.	After 120m only double frame not required.
7	Material - structure	IS 226 GR 36/240MPA	ASTM A 572 GR50/345MPA
	Bolts & Nuts	IS 1363	ASTM A 325 high strength bolts

8	Welding	Double side welding	Single side welding as per AWS
9	Load Combination	DL+LL DL+LL+WL/EQ DL+WL/EQ	DL+LL Not Applicable. DL+WL/EQ
10	Crane Beam & Supporting Structure	Increase Stress by 10 % of the allowable stress	No increase allowed.
11	Crane Girder Deflection	Span/750 Vertical - Horizontal	Span/600 Vertical Span/400 Horizontal
12	Stress increase for seismic and wind loads	Not allowed Primary framing where wind load is governing Load	1/3 RD Stress increase allowed.



For further details please contact info@smodiinfraSteel.com

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